Abstract

The present invention is an improved building panel having increased strength and rigidity, thereby reducing present design constraints imposed upon buildings constructed of interconnected panels. The building panel includes a novel curved central portion connected to two diverging inclined side wall portions in lieu of a straight central portion. Replacing the straight curved portion with a curved portion provides the building panel with increased strength and rigidity, thereby allowing the building panel to withstand increased positive and negative bending moments. Thus, a building constructed of panels having such curved central portions will reduce the present design constraints and increase the size and shape of buildings constructed of such panels.